

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 2/11/02 are:

- A. _____ approved by the Draftsperson under 37 CFR 1.84 or 1.152.
B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).

_____ Color drawings are not acceptable until petition is granted. Fig(s) _____
_____ Pencil and non black ink not permitted. Fig(s) _____

2. PHOTOGRAPHS. 37 CFR 1.84(b)
_____ One (1) full-tone set is required. Fig(s) _____
_____ Photographs may not be mounted. 37 CFR 1.84(e)
_____ Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) _____
_____ Poor quality (half-tone). Fig(s) _____

3. TYPE OF PAPER. 37 CFR 1.84(e)
_____ Paper not flexible, strong, white, and durable. Fig(s) _____
_____ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:
_____ 21.0 cm by 29.7 cm (DIN size A4) or
_____ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
_____ All drawing sheets not the same size.
_____ Sheet(s) _____
_____ Drawings sheets not an acceptable size. Fig(s) _____

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:
_____ Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
_____ Margins not acceptable. Fig(s) _____
_____ Top (T) _____ Left (L)
_____ Right (R) _____ Bottom (B)

6. VIEWS. 37 CFR 1.84(h)
REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.

☒ Views not labeled separately or properly.
Fig(s) 22, 23, 28, 29, 31, 42, 47, 48, 55, 56

7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)
_____ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
_____ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.84(k)
_____ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)
☒ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) 20-25, 28-31, 41-43, 49, 50, 55, 58-7

11. SHADING. 37 CFR 1.84(m)
_____ Solid black areas pale. Fig(s) _____
_____ Solid black shading not permitted. Fig(s) _____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
☒ Numbers and reference characters not plain and legible. Fig(s) 22-25, 29-31, 41-43, 49, 50, 58-71
☒ Figure legends are poor. Fig(s) 1-7, 2
_____ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____

_____ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) _____
_____ Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)
_____ Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
_____ Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
_____ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____

16. DESIGN DRAWINGS. 37 CFR 1.152
_____ Surface shading shown not appropriate. Fig(s) _____
_____ Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) _____

COMMENTS: Figures not to be connected by reference lines Fig 29

Reviewer [Signature]
If you have questions, call (703) 305-8404.

Date 12/2/03
Attachment to Paper No. _____